

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/CA2004/001940

## A. CLASSIFICATION OF SUBJECT MATTER

A61L-27/28, A61L-27/54, A61P-35/00 A61P-31/00 A61P-31/12 A61F-2/01 A61L-27/38 A61K-35/14 A61F-2/02 A61L-27/34

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC<sup>7</sup>: A61L, A61F, A61P-35/00 A61P-31/00 A61P-31/12

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base, and, where practicable, search terms used)  
Delphion, USPTO, Canadian Patent Database and PubMed

Keywords: implant, prosthesis\* and similar terms; chemokine, agonist, bacteria toxin and similar terms; attract\*, chemoattract\*, bind\* and similar terms; local\*, concentrat\*; therap\*, chemotherap\*, treat\* and similar terms; vascular, vessel, fluid and similar terms; cell

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4,732,155 (Zetter, B. R. et al.) 22 March 1988 (22.03.1988) entire document	1-3, 6, 8-10, 13-15, 34-36, 45 and 46
Y		11, 12, 17-21, 26-31, 38, 40, 42-44, 47-49, 51, 52, 54 and 55
P, X	US 2004/0191246 A1 (Connelly, P. R. et al.) 30 September 2004 (30.09.2004) entire document	1-3, 6, 8-10, 13, 17-20, 30, 34-36, 38, 43 and 45-49
Y	CA 2,178,541 (Fearnot, N. E. et al.) 08 December 1996 (08.12.1996) Abstract, Claims, pages 4-10	17-21, 30, 31, 38, 43, 47-49 and 51
Y	WO 03/061718 (Shepard, D. C. et al.) 31 July 2003 (31.07.2003) Abstract, Claims, pages 2-4 and page 8 par. [0042]	17, 18, 38 and 47-49

Further documents are listed in the continuation of Box C.

Patent family members are listed in annex. [X]

\* Special categories of cited documents :  
 "A" document defining the general state of the art which is not considered to be of particular relevance  
 "E" earlier application or patent but published on or after the international filing date  
 "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  
 "O" document referring to an oral disclosure, use, exhibition or other means  
 "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention  
 "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone  
 "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art  
 "&" document member of the same patent family

Date of the actual completion of the international-type search  
18 January 2005 (18-01-2005)

Date of mailing of the international-type search report  
08 March 2005 (08-03-2005)

Name and mailing address of the ISA  
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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 03/022360 (Handy, E. S. et al.) 20 March 2003 (20.03.2003) Abstract, pages 5-6, page 8 (lines 1-18), page 23 (lines 11-24), page 28 (lines 22-30), Examples and Figure 8	11, 12, 17, 28-30, 38, 40, 42-44, 47-49, 52 and 54
Y	CA 2,434,320 (Vicari, A. P. et al.) 01 August 2002 (01.08.2002) Abstract, Claims, pages 5-6, page 7 (lines 30-37), page 8 (lines 20-25), page 9 (line 6) - page 10 (line 7) and page 10 (lines 30-37)	17, 26, 27, 38, 40 and 47- 49
Y	US 6,366,808 B1 (Schroeppel, E. A. et al.) 02 April 2002 (02.04.2002) Abstract, col. 1 (lines 27-40), col. 9 (lines 50-65), col. 12 (lines 31-46) and Figures 10 and 12	17, 38, 47-49, 52 and 55
A	US 2002/0131953 A1 (Takashima, A. et al.) 19 September 2002 (19.09.2002)	1-55
A	WO 00/59422 (Carroll, R. G.) 12 October 2000 (12.10.2000)	1-55
A	el-Sawy, T. et al. "Chemokines: directing leukocyte infiltration into allografts" Current Opinion in Immunology 2002, 14, 562-568	1-55

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# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.  
PCT/CA2004/001940

Patent Document Cited in Search Report	Publication Date	Patent Family Member(s)	Publication Date
US4732155	22-03-1988	None	
US2004/0191246	30-09-2004	None	
CA2178541	08-12-1996	AU716005 B2 AU737252 B2 AU4995997 A AU5588896 A AU6663298 A CA2278586 A1 DE69623855 D1 DE69623855 T2 DK747069 T3 EP0747069 A2 EP0968013 A1 ES2184838 T3 JP9099056 A JP2001512354 T US5609629 A US5824049 A US5873904 A US6096070 A US6530951 B1 US6774278 B1 US2003028243 A1 US2003028244 A1 US2003036794 A1 US2004047809 A1 US2004243225 A1 WO9817331 A1 WO9836784 A1	17-02-2000 16-08-2001 15-05-1998 19-12-1996 09-09-1998 27-08-1998 31-10-2002 28-05-2003 09-12-2002 11-12-1996 05-01-2000 16-04-2003 15-04-1997 21-08-2001 11-03-1997 20-10-1998 23-02-1999 01-08-2000 11-03-2003 10-08-2004 06-02-2003 06-02-2003 20-02-2003 11-03-2004 02-12-2004 30-04-1998 27-08-1998
WO03022360	20-03-2003	BR0208642 A CA2438456 A1 CA2453676 A1 EP1379562 A2 EP1409077 A2 US2002187892 A1 US2003028071 A1 US2003032995 A1 WO02079276 A2	09-03-2004 10-10-2002 20-03-2003 14-01-2004 21-04-2004 12-12-2002 06-02-2003 13-02-2003 10-10-2002
WO03061718	31-07-2003	CA2478773 A1 EP1478412 A2 US2003138415 A1	31-07-2003 24-11-2004 24-07-2003
CA2434320	01-08-2002	EP1392351 A2 JP2004520043 T WO02058723 A2	03-03-2004 08-07-2004 01-08-2002
US6366808	02-04-2002	US6738663 B2 US2004010290 A1 US2004254618 A1 US2005004507 A1 WO2004037341 A2	18-05-2004 15-01-2004 16-12-2004 06-01-2005 08-05-2004
US2002/0131953	19-09-2002	WO02072026 A2	19-09-2002
WO0059422	12-10-2000	AU1107800 A AU2618900 A DE10084445 T0 DE19983750 T0 US6375634 B1 WO0028913 A1	05-06-2000 23-10-2000 11-07-2002 03-01-2002 23-04-2002 25-05-2000

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